

SEAN BURGESS

[Portfolio](#) | [LinkedIn](#) | [Email](#) | Houston, TX

Aptitudes & Certifications

Microsoft Azure ([Azure Data Engineer Associate](#), [Azure Administrator Associate](#)), AWS ([Cloud Practitioner](#)), Python ([PCEP](#), NumPy, pandas, Matplotlib, Seaborn, Scikit-Learn, PyTorch), SQL

EXPERIENCE

Data Engineering Consultant

Aug 2020 - Current

Smartbridge

Oil & Gas Client

- Analyzed machine learning regression model to understand how predictions on well-performance are generated and presented findings to senior management
- Architected and implemented a cloud environment in Azure to accommodate client needs, such as migrating on-premise data stores in CSV files to an Azure Data Lake Storage
- Optimized project pipeline by creating tables and views in SSMS for key input data

Quick Service Restaurant Client

- Shadowed implementation of KPI dashboards in MicroStrategy
- Authored technical documentation on data ingestion and structure from multiple sources

Trading Systems Developer

2020 - 2021

Ivy Run Interests

- Built a sophisticated trading system using EasyLanguage within TradeStation
- Implemented a multi-stream data strategy in order to generate accurate market signals

Mathematics Tutor

2018 - 2021

FindTutors, Peer Tutoring

- Assisted students and former peers in successfully completing mathematics courses such as calculus and probability

PERSONAL PROJECTS

Bayesian Analysis in Predicting Overconfidence

[Link](#)

- Simulated a population of entrepreneurs distributed among three skill types
- Tested a multitude of scenarios in which the entrepreneurs learn from prior experience
- Analyzed perceived skill distributions to understand apparent overconfidence

Currency Crises Predictions

[Link](#)

- Combined large data sets from the World Development Indicators DataBank
- Trained decision trees and identified accurate classifiers in MATLAB
- Predicted currency crises within rich countries

EDUCATION

University of Colorado Boulder

Current

M.S. in Data Science Candidate

University of Houston

Graduated 2020

B.S. in Mathematics - Option in Mathematical Finance

Minor in Economics